NAUGRA®

| Product name: | Product code: |
| --- | --- |
| Light Dependent Resistor and Photodiode Trainer | CMI-NP-1975 |




## Description

Trainer containing LDR, photodiode, phototransistor and solar cell with a variable intensity lamp. Teaches optical sensing, response curves and use in light controlled circuits. The unit demonstrates how light sensors change resistance or current with intensity and how they drive switching circuits.

## Technical specification

| | |
|---|---|
| Output Stage | Op-amp comparator and relay |
| Supply Output | +/- 12 V DC |
| Power Supply | 230 V AC, 50 Hz, single phase |
| Construction | Powder coated MS frame with laminated work surface and labelled terminals |

**Standard Accessories**

- Patch cord set
- Instruction manual
- Experiment manual

The Light Dependent Resistor and Photodiode Trainer is designed for ITI, polytechnic and TVET laboratories. The unit demonstrates how light sensors change resistance or current with intensity and how they drive switching circuits.

**Features**

NAUGRA®
Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India
Email us at: export@civilmechanicalindia.com

- Four light sensors on one module
- Variable intensity light source
- Lux level scale for the lamp
- Comparator and relay output circuit
- Transistor switch experiment area

**Technical Specifications**

| | |
|---|---|
| Sensors | LDR, photodiode, phototransistor, solar cell |
| Light Source | 12 V lamp with dimmer |
| Intensity Control | 0-100 percent |
| LDR Dark Resistance | Above 1 megaohm |